

INTERNATIONAL SEARCH REPORT

Application No

PL 1/6B 03/01959

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01M4/46 H01M8/10 H01M4/86

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, CHEM ABS Data, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/18894 A (DANISH POWER SYSTEMS APS; BJERRUM, NIELS, JANNIKEN; LI, QINGFENG; HJU) 15 March 2001 (2001-03-15)	1-5, 8-12
Y	page 12, line 4 - page 13, line 7 page 15, line 19 - line 31 page 17, line 4 - line 18 examples 1-9	1-14
Y	EP 0 577 291 A (JOHNSON MATTHEY PUBLIC LIMITED COMPANY) 5 January 1994 (1994-01-05) cited in the application page 6, right-hand column, line 7 - page 7, left-hand column, line 36; claim 9	1-14
Y	WO 00/45448 A (CALIFORNIA INSTITUTE OF TECHNOLOGY; NARAYANAN, S., R; ATTI, TONY; PRAK) 3 August 2000 (2000-08-03) page 5, line 4 - line 26	1-14

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

8 document member of the same patent family

Date of the actual completion of the international search

8 February 2005

Date of mailing of the international search report

17/02/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2200 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl
Fax (+31-70) 340-3016

Authorized officer

Sánchez García, J.M.

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

Continuation of Box I.2

Claims Nos.: 1,3-8,10-14, partially

Present claims 1,3-8,10-14 relate to an extremely large number of possible compounds of Structure A. Support within the meaning of Article 6 PCT and/or disclosure within the meaning of Article 5 PCT is to be found, however, for only a very small proportion of the compounds claimed. In the present case, the claims so lack support, and the application so lacks disclosure, that a meaningful search over the whole of the claimed scope is impossible. Consequently, the search has been carried out for those parts of the claims which appear to be supported and disclosed, namely those parts relating to the compounds of formula A mentioned in the description (see page 4, lines 10-14 and claims 2 and 9).

The applicant's attention is drawn to the fact that claims relating to inventions in respect of which no international search report has been established need not be the subject of an international preliminary examination (Rule 66.1(e) PCT). The applicant is advised that the EPO policy when acting as an International Preliminary Examining Authority is normally not to carry out a preliminary examination on matter which has not been searched. This is the case irrespective of whether or not the claims are amended following receipt of the search report or during any Chapter II procedure. If the application proceeds into the regional phase before the EPO, the applicant is reminded that a search may be carried out during examination before the EPO (see EPO Guideline C-VI, 8.5), should the problems which led to the Article 17(2) declaration be overcome.

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Box I Observations where certain claims were found unsearchable (Continuation of Item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☒ Claims Nos.: 1,3-8,10-14, partially
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
see FURTHER INFORMATION sheet PCT/ISA/210
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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Int. Application No.

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 0118894	A	15-03-2001	AU 6984500 A	10-04-2001
			WO 0118894 A2	15-03-2001
			EP 1222707 A2	17-07-2002
EP 0577291	A	05-01-1994	AT 164705 T	15-04-1998
			AU 4137293 A	23-12-1993
			CA 2098800 A1	21-12-1993
			DE 69317700 D1	07-05-1998
			DE 69317700 T2	20-08-1998
			DK 577291 T3	01-02-1999
			EP 0577291 A1	05-01-1994
			ES 2114005 T3	16-05-1998
			JP 3211997 B2	25-09-2001
			JP 6052862 A	25-02-1994
			US 5501915 A	26-03-1996
WO 0045448	A	03-08-2000	AU 759819 B2	01-05-2003
			AU 4795300 A	18-08-2000
			CA 2359869 A1	03-08-2000
			EP 1171924 A2	16-01-2002
			WO 0045448 A2	03-08-2000
			US 2003207167 A1	06-11-2003

Form PCT/ISA/210 (patent family annex) (January 2004)

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